

03050203-030
(Black Creek)

General Description

Watershed 03050203-030 is located in Lexington County and consists primarily of **Black Creek** and its tributaries. The watershed occupies 43,709 acres of the Sandhills region of South Carolina. The predominant soil types consist of an association of the Lakeland-Fuquay series. The erodibility of the soil (K) averages 0.11; the slope of the terrain averages 7%, with a range of 2-15%. Land use/land cover in the watershed includes: 5.09% urban land, 21.51% agricultural land, 9.44% scrub/shrub land, 0.26% barren land, 57.42% forested land, 5.07% forested wetland (swamp), and 1.21% water.

Black Creek originates near the Town of Gilbert and drains into the North Fork Edisto River. Black Creek flows through Taylor Pond and several other ponds before accepting the drainage of Pond Branch and flowing into Paxton Millpond. Downstream of the millpond, Little Black Creek enters Black Creek, which then flows through Clarks Millpond to accept drainage from Cedar Pond Branch, Spring Branch, Big Branch, McCartha Branch, and Coney Branch. There are a total of 43.7 stream miles in this watershed, all classified FW.

Water Quality

| <u>Station #</u> | <u>Type</u> | <u>Class</u> | <u>Description</u> |
|------------------|-------------|--------------|---------------------------------------|
| E-599 | BIO | FW | BLACK CREEK AT SR 278 |
| E-103 | W | FW | BLACK CREEK AT S-32-53 (RAMBO BRIDGE) |

Black Creek - There are two monitoring sites along Black Creek, which was Class B until April, 1992. At the upstream site (E-599), aquatic life uses are fully supported based on macroinvertebrate community data. Aquatic life and recreational uses are fully supported at the downstream site (E-103). This is a blackwater system, which are often characterized by naturally low pH and dissolved oxygen concentrations. Although pH excursions were noted, they were typical of values seen in such systems.

A fish consumption advisory has been issued by the Department for mercury and includes the streams within this watershed (see advisory p.31).

Permitted Activities

Point Source Contributions

| LAND APPLICATION | PERMIT # |
|----------------------------|-----------------|
| FACILITY NAME | TYPE |
| SPRAY IRRIGATION | ND0013587 |
| GILBERT SCHOOL SYSTEM WWTP | MINOR DOMESTIC |

Landfill Activities

| SOLID WASTE LANDFILL NAME | PERMIT # |
|----------------------------------|-----------------|
| FACILITY TYPE | STATUS |
| OWEN INDUSTRIAL PRODUCTS | IWP-241 |
| INDUSTRIAL | ACTIVE |

Mining Activities

MINING COMPANY
MINE NAME

KE SHEALY & SON
POND BRANCH MINE

PERMIT #
MINERAL

0368-32
SAND

Growth Potential

There is a low potential for growth in this watershed.